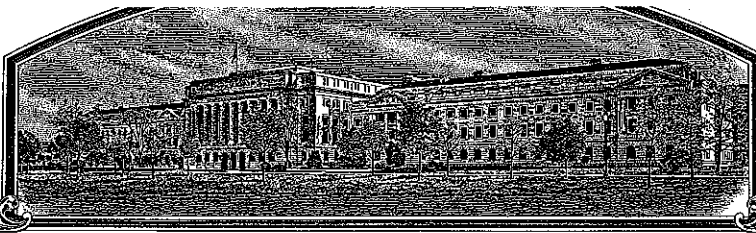


No.

200600242



# THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

*Syngenta Seeds, Inc.*

Whereas, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE FOREGOING PURPOSES, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT. IN THE UNITED STATES SEED OF THIS VARIETY (1) SHALL BE SOLD BY VARIETY NAME ONLY AS A CLASS OF CERTIFIED SEED AND (2) SHALL CONFORM TO THE NUMERICAL GENERATIONS SPECIFIED BY THE OWNER OF THE RIGHTS. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

WHEAT, COMMON

'9511'

*In Testimony Whereof, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington, D.C. this sixth day of December, in the year two thousand and six.*

Attest:

Commissioner  
Plant Variety Protection Office  
Agricultural Marketing Service

Secretary of Agriculture



U.S. DEPARTMENT OF AGRICULTURE  
AGRICULTURAL MARKETING SERVICE  
SCIENCE AND TECHNOLOGY - PLANT VARIETY PROTECTION OFFICE

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE  
(Instructions and information collection burden statement on reverse)

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.

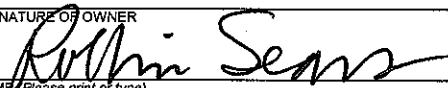
Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

|  |  |  |   |
|--|--|--|---|
| 1. NAME OF OWNER<br><b>Syngenta Seeds, Inc.</b>  |  | 2. TEMPORARY DESIGNATION OR EXPERIMENTAL NAME<br><b>B980582</b>  | 3. VARIETY NAME<br><b>9511</b>  |
| 4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code, and Country)<br><b>AgriPro COKER<br/>806 North 2nd Street<br/>P.O. Box 30<br/>Berthoud, CO 80513</b>   |  | 5. TELEPHONE (include area code)<br><b>970-532-3721</b>  | <b>FOR OFFICIAL USE ONLY</b><br>PVPO NUMBER<br><b>200600242</b><br>FILING DATE<br><b>July 18, 2006</b>                          |
|  |  | 6. FAX (include area code)<br><b>970-532-2035</b>  |   |
| 7. IF THE OWNER NAMED IS NOT A "PERSON", GIVE FORM OF ORGANIZATION (corporation, partnership, association, etc.)<br><b>Corporation</b>   | 8. IF INCORPORATED, GIVE STATE OF INCORPORATION<br><b>Delaware</b>   | 9. DATE OF INCORPORATION<br><b>1976</b>  |   |
| 10. NAME AND ADDRESS OF OWNER REPRESENTATIVE(S) TO SERVE IN THIS APPLICATION. (First person listed will receive all papers)<br><b>Rollin Sears<br/>AgriPro COKER<br/>6515 Ascher Road<br/>Junction City, KS 66441</b>  |  |  | FILING AND EXAMINATION FEES:<br>\$ 3652 ② 730<br>DATE 7/18/06 ② 8/14/2006<br>CERTIFICATION FEE:<br>\$ 768.00<br>DATE 10/13/2006 |
| 11. TELEPHONE (include area code)<br><b>785-210-0218</b>   | 12. FAX (include area code)<br><b>785-210-0231</b>   | 13. E-MAIL   |   |
| 14. CROP KIND (Common Name)<br><b>Common Wheat</b>   | 16. FAMILY NAME (Botanical)<br><b>Poaceae</b>  | 18. DOES THE VARIETY CONTAIN ANY TRANSGENES? (OPTIONAL)<br><input type="checkbox"/> YES <input checked="" type="checkbox"/> NO<br>IF SO, PLEASE GIVE THE ASSIGNED USDA-APHIS REFERENCE NUMBER FOR THE APPROVED PETITION TO DEREGULATE THE GENETICALLY MODIFIED PLANT FOR COMMERCIALIZATION.  |   |
| 15. GENUS AND SPECIES NAME OF CROP<br><b>Triticum aestivum</b>   | 17. IS THE VARIETY A FIRST GENERATION HYBRID?<br><input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |  |   |
| 19. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED (Follow instructions on reverse)<br>a. <input checked="" type="checkbox"/> Exhibit A. Origin and Breeding History of the Variety<br>b. <input checked="" type="checkbox"/> Exhibit B. Statement of Distinctness<br>c. <input checked="" type="checkbox"/> Exhibit C. Objective Description of Variety<br>d. <input checked="" type="checkbox"/> Exhibit D. Additional Description of the Variety (Optional)<br>e. <input checked="" type="checkbox"/> Exhibit E. Statement of the Basis of the Owner's Ownership<br>f. <input checked="" type="checkbox"/> Voucher Sample (2,500 viable untreated seeds or, for tuber propagated varieties, verification that tissue culture will be deposited and maintained in an approved public repository)<br>g. <input checked="" type="checkbox"/> Filing and Examination Fee (\$3,652), made payable to "Treasurer of the United States" (Mail to the Plant Variety Protection Office) |  | 20. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE SOLD AS A CLASS OF CERTIFIED SEED? (See Section 83(a) of the Plant Variety Protection Act)<br><input checked="" type="checkbox"/> YES (If "yes", answer items 21 and 22 below) <input type="checkbox"/> NO (If "no", go to item 23)<br>21. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF CLASSES?<br><input checked="" type="checkbox"/> YES <input type="checkbox"/> NO<br>IF YES, WHICH CLASSES? <input type="checkbox"/> FOUNDATION <input type="checkbox"/> REGISTERED <input type="checkbox"/> CERTIFIED<br>22. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS?<br><input checked="" type="checkbox"/> YES <input type="checkbox"/> NO<br>IF YES, SPECIFY THE NUMBER 1,2,3, etc. FOR EACH CLASS.<br><input type="checkbox"/> FOUNDATION <input checked="" type="checkbox"/> REGISTERED <input checked="" type="checkbox"/> CERTIFIED<br>(If additional explanation is necessary, please use the space indicated on the reverse.) |   |
| 23. HAS THE VARIETY (INCLUDING ANY HARVESTED MATERIAL) OR A HYBRID PRODUCED FROM THIS VARIETY BEEN SOLD, DISPOSED OF, TRANSFERRED, OR USED IN THE U. S. OR OTHER COUNTRIES?<br><input checked="" type="checkbox"/> YES <input type="checkbox"/> NO<br><b>Fall 2005, Registered Seed Sales in U.S.A.</b><br>IF YES, YOU MUST PROVIDE THE DATE OF FIRST SALE, DISPOSITION, TRANSFER, OR USE FOR EACH COUNTRY AND THE CIRCUMSTANCES. (Please use space indicated on reverse.)   |  | 24. IS THE VARIETY OR ANY COMPONENT OF THE VARIETY PROTECTED BY INTELLECTUAL PROPERTY RIGHT (PLANT BREEDER'S RIGHT OR PATENT)?<br><input type="checkbox"/> YES <input checked="" type="checkbox"/> NO<br>IF YES, PLEASE GIVE COUNTRY, DATE OF FILING OR ISSUANCE AND ASSIGNED REFERENCE NUMBER. (Please use space indicated on reverse.)   |   |

25. The owners declare that a viable sample of basic seed of the variety has been furnished with application and will be replenished upon request in accordance with such regulations as may be applicable, or for a tuber propagated variety a tissue culture will be deposited in a public repository and maintained for the duration of the certificate.

The undersigned owner(s) is(are) the owner of this sexually reproduced or tuber propagated plant variety, and believe(s) that the variety is new, distinct, uniform, and stable as required in Section 42, and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act.

Owner(s) is (are) informed that false representation herein can jeopardize protection and result in penalties.

|   |                             |                             |      |
|---|-----------------------------|-----------------------------|------|
| SIGNATURE OF OWNER<br> |                             | SIGNATURE OF OWNER          |      |
| NAME (Please print or type)<br><b>Rollin Sears</b>  |                             | NAME (Please print or type) |      |
| CAPACITY OR TITLE<br><b>Senior Development Manager</b>  | DATE<br><b>July 3, 2006</b> | CAPACITY OR TITLE           | DATE |

(See reverse for instructions and information collection burden statement)

**Exhibit A: Origin and Breeding History**

9511 is a soft red winter wheat line developed by Syngenta Seeds, Inc. from a cross-made in 1991. The pedigree is L881060/L880436. L881060 is a line licensed to Terral Seed, Inc. in 1996 by Syngenta Seeds, Inc. and sold as Terral TV8825. The pedigree is VA75-54-53/3/Tifton 72-55//Coker 71-21/Blueboy II. L880436 is an unreleased line developed by Syngenta Seeds, Inc. with a pedigree of IN71761A4-31-5-48/Wheeler. IN71761A4-31-5-48 is an unreleased breeding line from Purdue University with a complex pedigree involving Benhur, Arthur, Knox 62, PI94583, and Ribeiro. Wheeler is a variety released by Virginia Agricultural Experiment Station in 1980 with a pedigree of COKER 65-20/Arthur. A bulk breeding system was used to develop 9511. An F6 derived head row was selected, with yield testing initiated in the 1998-99 season at the F8 generation. The line was designated B980582. Advanced and elite yield testing along with seed increase has been conducted since this time. In early generations, advancement was based on plant height and maturity along with resistance to leaf rust and soil borne virus. Selection in advanced generations was based on yield, test weight, maturity, plant height and disease resistance to Fusarium, leaf rust and soil borne virus.

Table 1: Development of 9511

| Season    | Generation | Activity   |
|-----------|------------|--|
| 1991      |            | Cross  |
| 1991-1992 | F1         | Bulk seed grown in the greenhouse.   |
| 1992-1993 | F2         | Bulk population grown in the field. Advancement based on height and leaf rust and soil borne virus resistance.   |
| 1993-1994 | F3         | Bulk population grown in the field. Advancement based on height, maturity and leaf rust and soil borne virus resistance.   |
| 1994-1995 | F4         | Bulk population grown in the field. Advancement based on maturity, straw strength and leaf rust and soil borne virus resistance.   |
| 1995-1996 | F5         | Bulk population grown in the field, selected 100 heads for head row nursery, advancement based on stripe rust resistance, height and maturity.   |
| 1996-1997 | F6         | Head row nursery, selection based on maturity, straw strength and stripe rust resistance.  |
| 1997-1998 | F7         | Observation nursery #2270, selection based on height, maturity and soil borne virus resistance.  |
| 1998-1999 | F8         | Preliminary yield testing, assigned line number B980582. Advancement based on yield, test weight, height and leaf rust resistance.   |
| 1999-2000 | F9         | Yield testing in advanced company trials, small increase at Bay, Arkansas. Advancement based on yield, test weight, maturity and stripe rust resistance.                               |
| 2000-2001 | F10        | Yield testing in elite company trials, small increase with nested head rows for purity; advancement based on yield, height, straw strength, maturity, and soil borne virus resistance. |

**Exhibit A: Origin and Breeding History of the Variety (cont.)**

|           |     |   |
|-----------|-----|---|
| 2001-2002 | F11 | Yield testing in elite company trials and tested in the Uniform Southern Soft Red Winter Wheat Fusarium Head Blight Screening Nursery, small increase with nested plots for purity, advancement based on yield, test weight, uniformity, maturity, stripe rust and <u>Fusarium</u> resistance.  |
| 2002-2003 | F12 | Yield testing in elite company trials, pre-breeder increase and tested in Uniform Southern Soft Red Winter Wheat Nursery, Uniform Eastern Soft Red Winter Wheat Nursery and Uniform Southern Soft Red Winter Wheat Fusarium Head Blight Screening Nursery. Advancement based on yield, test weight, maturity, and <u>Fusarium</u> resistance. |
| 2003-2004 | F13 | Yield testing in elite company trials, large breeder increase and tested in Uniform Southern Soft Red Winter Wheat Nursery and Uniform Eastern Soft Red Winter Wheat Nursery. Advancement based on yield, test weight, maturity, and <u>Fusarium</u> resistance.  |
| 2004-2005 | F14 | Continued testing in company trials and entered in state trials with Breeder/Foundation seed increase. Advancement based on yield, test weight, maturity, and <u>Fusarium</u> resistance. Variety released as 9511 and Foundation/Registered seed sold to Certified Seed Growers in the Fall 2005.  |

9511 is an F6 derived head row with yield testing initiated as an F8 in 1998-1999. The variety has been tested and observed for 7 years over multiple environments with 6 years of seed increase. 9511 is stable and uniform. Breeder seed was developed by bulking seed from head row generated increase strips that had been maintained separately for three (F10, F11, and F12) generations of increase for purity, uniformity and stability comparisons. Variants may include one or more of the following in any combination; taller, awned, bronze or later type, which maybe expressed up to 1%.

200600242

9511

**Exhibit B: Statement of Distinctness**

9511 most closely resembles COKER 9474, however 9511 has a semi-erect juvenile plant growth habit and COKER 9474 has a prostrate growth habit. 9511 heading date averages 3 days earlier than COKER 9474. 9511 averages 2 inches taller than COKER 9474 in two year averages. 9511 is susceptible to Hessian fly and COKER 9474 is resistant to Biotype E of Hessian fly.

|            | JUVENILE<br>GROWTH<br>HABIT* | HEADING<br>DATE** |      |      | PLANT HEIGHT*** |      |      | HESSIAN<br>FLY**** |              |
|------------|------------------------------|-------------------|------|------|-----------------|------|------|--------------------|--------------|
|            |                              |                   |      |      | inches          |      |      | 2000               | 2002         |
| LINE       |                              | 2002              | 2003 | 2004 | 2 YR            | 2004 | 2005 | BIOTYPE<br>E       | BIOTYPE<br>E |
| 9511       | Semi-erect                   | 4/17              | 4/19 | 4/16 | 37              | 37   | 38   | 0/14               | 0/18         |
| COKER 9474 | Prostrate                    | 4/21              | 4/20 | 4/20 | 35              | 34   | 36   | 13/0               | 13/2         |
| LSD (0.05) |                              | --                | 2.0  | 1.0  | 1.0             | 1.0  | 1.0  |                    |              |
| CV%        |                              | --                | 1.0  | 1.0  | 4.0             | 4.0  | 4.0  |                    |              |
| #LOCATIONS |                              | 1                 | 1    | 1    | 21              | 14   | 7    |                    |              |

\*Juvenile plant growth habit was determined at Bay, AR 2004 & 2005.

\*\*Average date after April 1 at Bay, AR 2002, 2003 and 2004.

\*\*\*Plant height averaged over 14 locations in 2004 and 7 locations in 2005.

\*\*\*\*#/# = Resistant/Susceptible seedlings.

Screening done by USDA-ARS, Crop Production and Pest Control Research Unit, West Lafayette, IN.

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 2.5 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

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To file a complaint of discrimination, write to USDA, Director, Office of Civil Rights, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410, or call (800) 795-3272 (voice) or (202) 720-6382 (TDD). USDA is an equal opportunity provider and employer.

U.S. DEPARTMENT OF AGRICULTURE  
AGRICULTURAL MARKETING SERVICE  
SCIENCE AND TECHNOLOGY  
PLANT VARIETY PROTECTION OFFICE  
BELTSVILLE, MD 20705

Exhibit C

OBJECTIVE DESCRIPTION OF VARIETY  
Wheat (*Triticum* spp.)

|   |  |   |
|---|--|---|
| NAME OF APPLICANT (S)<br>Syngenta Seeds, Inc.   | TEMPORARY OR EXPERIMENTAL DESIGNATION<br>B980582 | VARIETY NAME<br>9511                              |
| ADDRESS (Street and No. or RD No., City, State, Zip Code and Country)<br>AgriPro COKER<br>806 North Second Street<br>P. O. Box 30<br>Berthoud, CO 80513 |  | FOR OFFICIAL USE ONLY<br>PVPO NUMBER<br>200600242 |

## PLEASE READ ALL INSTRUCTIONS CAREFULLY:

Place the appropriate number that describes the varietal character of this variety in the boxes below. Place a zero in the first box (e.g.,    or   ) when number is either 99 or less or 9 or less respectively. Data for quantitative plant characters should be based on a minimum of 100 plants. Comparative data should be determined from varieties entered in the same trial. Royal Horticultural Society or any recognized color standard may be used to determine plant colors; designate system used: Munsell Color Chart. Please answer all questions for your variety; lack of response may delay progress of your application.

## 1. KIND:

- 1 = Common  
2 = Durum  
3 = Club  
4 = Other (Specify) \_\_\_\_\_

## 2. VERNALIZATION:

- 1 = Spring  
2 = Winter  
3 = Other (Specify) \_\_\_\_\_

## 3. COLEOPTILE ANTHOCYANIN:

- 1 = Absent                      2 = Present

## 4. JUVENILE PLANT GROWTH:

- 1 = Prostrate              2 = Semi-Erect              3 = Erect

## 5. PLANT COLOR: (boot stage)

- 1 = Yellow-Green  
2 = Green  
3 = Blue-Green

7.5 GY 3/4-4/4

## 6. FLAG LEAF: (boot stage)

- 1 = Erect                      2 = Recurved

- 1 = Not Twisted              2 = Twisted

- 1 = Wax Absent              2 = Wax Present

## 7. EAR EMERGENCE:

8      Number of Days (Average)

Number of Days Earlier Than \* COKER 9474

Same As \*

Number of Days Later Than \*

\*Relative to a PVPO-Approved Commercial Variety Grown in the Same Trial

## 8. ANTHOR COLOR:

- 1 = Yellow              2 = Purple

5

## 9. PLANT HEIGHT: (from soil to top of head, excluding awns)

200600242

0 9 4

cm (Average)

cm

cm Taller Than

Same As

Patton

cm

cm Shorter Than

## 10. STEM:

## A. ANTHOCYANIN

1

1 = Absent 2 = Present

## B. WAXY BLOOM

2

1 = Absent 2 = Present

## C. HAIRINESS (last internode of rachis)

2

1 = Absent 2 = Present

## D. INTERNODE

1

1 = Hollow 2 = Semi-solid 3 = Solid

Number of Nodes

## E. PEDUNCLE

3

1 = Erect 2 = Recurved 3 = Semi-erect

1 6

cm Length

## F. AURICLE

2

Anthocyanin: 1 = Absent 2 = Present

2

Hair: 1 = Absent 2 = Present

## 11. HEAD: (At Maturity)

## A. DENSITY

2

1 = Lax  
2 = Middense (Laxidense)  
3 = Dense

## B. SHAPE

1

1 = Tapering  
2 = Strap  
3 = Clavate  
4 = Other (Specify)

## C. CURVATURE

2

1 = Erect  
2 = Inclined  
3 = Recurved

## D. AWNEDNESS

2

1 = Awnless  
2 = Apically Awnletted  
3 = Awnletted  
4 = Awned

## 12. GLUMES: (At Maturity)

## A. COLOR

2

1 = White  
2 = Tan  
3 = Other (Specify)

## B. SHOULDER

2

1 = Wanting 2 = Oblique  
3 = Rounded 4 = Square  
5 = Elevated 6 = Apiculate  
7 = Other (Specify)

## C. SHOULDER WIDTH

1

1 = Narrow  
2 = Medium  
3 = Wide

## D. BEAK

2

1 = Obtuse  
2 = Acute  
3 = Acuminate

## E. BEAK WIDTH

2

1 = Narrow  
2 = Medium  
3 = Wide

## F. GLUME LENGTH

2

1 = Short (ca. 7mm)  
2 = Medium (ca. 8mm)  
3 = Long (ca. 9mm)

## G. WIDTH

1

1 = Narrow (ca. 3mm)  
2 = Medium (ca. 3.5mm)  
3 = Long (ca. 4mm)

200600242

## 13. SEED:

## A. SHAPE

- ☐ 1 = 1 = Ovate  
2 = Oval  
3 = Elliptical

## B. CHEEK

- ☐ 1 = 1 = Rounded  
2 = Angular

## C. BRUSH

- ☐ 2 = 1 = Short  
2 = Medium  
3 = Long
- 1 = 1 = Not Collared  
2 = Collared

## D. CREASE

- ☐ 2 = 1 = Width 60% or less of Kernel  
2 = Width 80% or less of Kernel  
3 = Width Nearly as Wide as Kernel

- ☐ 2 = 1 = Depth 20% or less of Kernel  
2 = Depth 35% or less of Kernel  
3 = Depth 50% or less of Kernel

## E. COLOR

- ☐ 3 = 1 = White  
2 = Amber  
3 = Red  
4 = Other (Specify) \_\_\_\_\_

## F. TEXTURE

- ☐ 2 = 1 = Hard  
2 = Soft  
3 = Other (Specify) \_\_\_\_\_

## G. PHENOL REACTION (See Instructions)

- ☐ 1 = Ivory  
2 = Fawn  
3 = Light Brown  
4 = Dark Brown  
5 = Black  
Not Tested

## H. SEED WEIGHT

- ☐ 3 ☐ 7 g/1000 Seed (Whole number only)

## I. GERM SIZE

- ☐ 2 = 1 = Small  
2 = Midsize  
3 = Large

## 14. DISEASE: PLEASE INDICATE THE SPECIFIC RACE OR STRAIN TESTED

(0 = Not Tested 1 = Susceptible 2 = Resistant 3 = Intermediate 4 = Tolerant)

- |   |   |
|---|---|
| <input type="checkbox"/> 0 Stem Rust ( <i>Puccinia graminis</i> f. sp. <i>tritici</i> ) | <input type="checkbox"/> 3 Leaf Rust ( <i>Puccinia recondita</i> f. sp. <i>tritici</i> )                      |
| <input type="checkbox"/> 1 Stripe Rust ( <i>Puccinia striiformis</i> )                  | <input type="checkbox"/> 0 Loose Smut ( <i>Ustilago tritici</i> )   |
| <input type="checkbox"/> 0 Tan Spot ( <i>Pyrenophora tritici-repentis</i> )             | <input type="checkbox"/> 0 Flag Smut ( <i>Urocystis agropyri</i> )  |
| <input type="checkbox"/> 0 Halo Spot ( <i>Selenophoma donacis</i> )                     | <input type="checkbox"/> 0 Common Bunt ( <i>Tilletia tritici</i> or <i>T. laevis</i> )                        |
| <input type="checkbox"/> 0 <i>Septoria nodorum</i> (Glume Blotch)                       | <input type="checkbox"/> 0 Dwarf Bunt ( <i>Tilletia controversa</i> )   |
| <input type="checkbox"/> 0 <i>Septoria avenae</i> (Speckled Leaf Disease)               | <input type="checkbox"/> 0 Karnal Bunt ( <i>Tilletia indica</i> )   |
| <input type="checkbox"/> 3 <i>Septoria tritici</i> (Speckled Leaf Blotch)               | <input type="checkbox"/> 3 Powdery Mildew ( <i>Erysiphe graminis</i> f. sp. <i>tritici</i> )                  |
| <input type="checkbox"/> 2-3 Scab ( <i>Fusarium</i> spp.)                               | <input type="checkbox"/> 0 "Snow Molds"   |
| <input type="checkbox"/> 0 "Black Point" (Kernel Smudge)                                | <input type="checkbox"/> 0 Common Root Rot ( <i>Fusarium</i> , <i>Cochliobolus</i> and <i>Bipolaris</i> spp.) |
| <input type="checkbox"/> 0 Barley Yellow Dwarf Virus (BYDV)                             | <input type="checkbox"/> 0 Rhizoctonia Root Rot ( <i>Rhizoctonia solani</i> )                                 |
| <input type="checkbox"/> 2 Soilborne Mosaic Virus (SBMV)                                | <input type="checkbox"/> 0 Black Chaff ( <i>Xanthomonas campestris</i> pv. <i>translucens</i> )               |
| <input type="checkbox"/> 2 Wheat Yellow (Spindle Streak) Mosaic Virus                   | <input type="checkbox"/> 0 Bacterial Leaf Blight ( <i>Pseudomonas syringae</i> pv. <i>syringae</i> )          |
| <input type="checkbox"/> 0 Wheat Streak Mosaic Virus (WSMV)                             | <input type="checkbox"/> Other (Specify) _____  |
| <input type="checkbox"/> Other (Specify) _____  | <input type="checkbox"/> Other (Specify) _____  |
| <input type="checkbox"/> Other (Specify) _____  | <input type="checkbox"/> Other (Specify) _____  |
| <input type="checkbox"/> Other (Specify) _____  | <input type="checkbox"/> Other (Specify) _____  |

## 15. INSECT: (0 = Not Tested 1 = Susceptible 2 = Resistant 3 = Intermediate 4 = Tolerant)

PLEASE SPECIFY BIOTYPE (where needed)

- |  |  |
|--|--|
| <input type="checkbox"/> 1 Hessian Fly ( <i>Mayetiola destructor</i> )   | <input type="checkbox"/> Other (Specify) _____ |
| <input type="checkbox"/> 0 Stem Sawfly ( <i>Cephus</i> spp.)             | <input type="checkbox"/> Other (Specify) _____ |
| <input type="checkbox"/> 0 Cereal Leaf Beetle ( <i>Oulema melanopa</i> ) | <input type="checkbox"/> Other (Specify) _____ |



15. INSECT: (continued) 0 = Not Tested 1 = Susceptible 2 = Resistant 3 = Intermediate 4 = Tolerant

PLEASE SPECIFY BIOTYPE (Where Needed)

|   |  |
|---|--|
| <input type="checkbox"/> Russian Aphid ( <i>Diuraphis noxia</i> ) | <input type="checkbox"/> Other (Specify) _____ |
| <input type="checkbox"/> Greenbug ( <i>Schizaphis graminum</i> )  | <input type="checkbox"/> Other (Specify) _____ |
| <input type="checkbox"/> Aphids                                   | <input type="checkbox"/> Other (Specify) _____ |

16. ADDITIONAL INFORMATION ON ANY ITEM ABOVE, OR GENERAL COMMENTS:

8

200600242

**Exhibit D: Additional Description for 9511****Table 3: Yield Data Bu/Ac**

|                | ALL LOCATIONS            |           | CORNBELT  |           | MIDSOUTH  |           | EAST COAST |           |
|----------------|--------------------------|-----------|-----------|-----------|-----------|-----------|------------|-----------|
|                | 1 YR                     | 2 YR      | 1 YR      | 2 YR      | 1 YR      | 2 YR      | 1 YR       | 2 YR      |
| <b>9511</b>    | <b>75</b>                | <b>72</b> | <b>74</b> | <b>70</b> | <b>69</b> | <b>70</b> | <b>83</b>  | <b>77</b> |
| COKER 9663     | 69                       | 68        | 72        | 67        | 58        | 63        | 78         | 73        |
| COKER 9152     | 73                       | 69        | 72        | 67        | 68        | 67        | 78         | 73        |
| COKER 9184     | 71                       | 68        | 70        | 71        | 62        | 62        | 81         | 80        |
| COKER 9474     | 59                       | 60        | 74        | 66        | 47        | 54        | 60         | 63        |
| 26R61          | 75                       | 67        | 71        | 54        | 82        | 69        | 80         | 76        |
| AGS 2000       | 71                       | 69        | 64        | 62        | 63        | 69        | 82         | 75        |
| 25R26          | 76                       | 73        | 77        | 69        | 66        | 69        | 89         | 84        |
| Test Mean      | 73                       | 70        | 70        | 65        | 70        | 67        | 82         | 77        |
| Trials w/ Data | 12                       | 30        | 3         | 9         | 3         | 10        | 5          | 11        |
| LSD (0.05)     | 6.8                      | 4.0       | 9.2       | 6.1       | 14.5      | 6.9       | 9.6        | 6.2       |
| CV %           | 11.7                     | 11.2      | 8.1       | 10.0      | 12.9      | 11.8      | 9.5        | 9.7       |
| 1 YR = 2005    | 2 YR =<br>2004 &<br>2005 |           |           |           |           |           |            |           |

**SYNGENTA SEEDS, INC. AGRIPRO COKER****LOCATIONS BY AREA**

| ELITE | NAME                     | 2005 | 2004 | 2005   | 2004   | 2005    | 2004    | 2005    | 2004    |
|-------|--------------------------|------|------|--------|--------|---------|---------|---------|---------|
|       |                          | ALL  | ALL  | C.belt | C.belt | M.south | M.south | E.coast | E.coast |
|       | US BERNIE, MO 1110       |      | BMO  |        | BMO    |         | BMO     |         |         |
|       | US UNION CITY, TN 1120   |      | UCTN |        | UCTN   |         |         |         |         |
|       | US HOPKINSVILLE, KY 1135 | HKY  | HKY  | HKY    | HKY    |         |         |         |         |
|       | US COLUMBIA, MO 1140     |      | CMO  |        | CMO    |         |         |         |         |
|       | US ST. JACOB, IL 1150    | SJIL | SJIL | SJIL   | SJIL   |         |         |         |         |
|       | US WAUSEON, OH 1170      | WOH  | WOH  | WOH    | WOH    |         |         |         |         |
|       | US BAY, AR 2210          | BAR  | BAR  |        |        | BAR     | BAR     |         |         |
|       | US DEWITT, AR 2220       |      | DAR  |        |        |         | DAR     |         |         |
|       | US WHITEHALL, AR 2230    |      | WAR  |        |        |         | WAR     |         |         |
|       | US MACON, MS 3310        |      | MMS  |        |        |         | MMS     |         |         |
|       | US LEWISVILLE, AR 3330   | LAR  | LAR  |        |        | LAR     | LAR     |         |         |
|       | US GREENVILLE, MS 3340   | GMS  | GMS  |        |        | GMS     | GMS     |         |         |
|       | US PLYMOUTH, NC 4500     | PNC  | PNC  |        |        |         |         | PNC     | PNC     |
|       | US WINTERVILLE, NC 4510  | WNC  | WNC  |        |        |         |         | WNC     | WNC     |
|       | US KINSTON, NC 4520      |      | C    |        |        |         |         |         |         |
|       | US WARSAW, VA 4530       | WVA  | WVA  |        |        |         |         | WVA     | WVA     |
|       | US PLAINS, GA 4600       | PGA  | PGA  |        |        |         |         | PGA     | PGA     |
|       | US DILLON, SC 4650       | DSC  | DSC  |        |        |         |         | DSC     | HSC     |
|       | US MOUNT JOY, PA 4710    |      | MJPA |        |        |         |         |         | MJPA    |
|       | US BATON ROUGE, LA 3380  | BRLA |      |        |        | BRLA    |         |         |         |

200600242

9511

Table 4: Agronomic Characteristics

|                | Test Weight<br>Lb/Bu |      | Heading Date from<br>4/1 at Bay, AR |      |      | Height<br>Inches |      | Lodging<br>1 - 9 |      | J.Growth<br>Habit<br>1 - 5 |             |
|----------------|----------------------|------|-------------------------------------|------|------|------------------|------|------------------|------|----------------------------|-------------|
|                | 2004                 | 2005 | 2002                                | 2003 | 2004 | 2004             | 2005 | 2003             | 2004 | 2004<br>BAR                | 2005<br>BAR |
| 9511           | 59                   | 60   | 4/17                                | 4/19 | 4/16 | 37               | 38   | 3                | 4    | 3                          | 3           |
| COKER 9663     | 57                   | 58   | 4/18                                | 4/21 | 4/18 | 40               | 41   | 3                | 4    | 3                          | 3           |
| COKER 9152     | 57                   | 57   | 4/19                                | 4/18 | 4/17 | 39               | 41   | 2                | 3    | 3                          | 3           |
| COKER 9184     | 58                   | 60   | 4/22                                | 4/23 | 4/20 | 33               | 35   | 2                | 2    | 3                          | 3           |
| COKER 9474     | 59                   | 58   | 4/21                                | 4/20 | 4/20 | 34               | 36   | 2                | 2    | 1                          | 1           |
| 26R61          | 56                   | 59   | 4/19                                | 4/17 | 4/17 | 37               | 39   | 1                | 2    | 3                          | 3           |
| AGS 2000       | 57                   | 58   | 4/17                                | 4/16 | 4/17 | 36               | 38   | 3                | 4    | 4                          | 3           |
| PATTON         | 56                   |      | 4/21                                | 4/19 | 4/20 | 37               |      | 2                | 3    | 2                          |             |
| 25R26          | 57                   | 58   | 4/24                                | 4/22 | 4/20 | 34               | 35   | 2                | 2    | 2                          | 3           |
| KASKASKIA      | 57                   |      | 4/24                                | 4/25 | 4/24 | 38               |      | 2                | 3    | 1                          |             |
| Test Mean      | 57                   | 58   | -                                   | 4/21 | 4/20 | 36               | 38   | 2                | 3    | 3                          | 3           |
| Trials w/ Data | 15                   | 11   | -                                   | 1    | 1    | 14               | 7    | 10               | 7    | 1                          | 1           |
| LSD (0.05)     | 1.3                  | 1.6  | -                                   | 2.0  | 1.0  | 1.0              | 1.0  | 0.7              | 1.0  | 0.7                        | 0.7         |
| CV %           | 3.3                  | 3.3  | -                                   | 1.0  | 1.0  | 4.0              | 4.0  | 42.6             | 31.4 | 15.5                       | 16.0        |
| Reps           |                      |      |                                     | 3    | 3    |                  |      |                  |      | 3                          | 3           |

Test Weight (lb/bu): Average test weight across 15 locations in 2004 and 11 location in 2005.

Heading Date: Average date after April 1 at Bay, AR 2002, 2003., and 2004.

Height: Averaged over 14 locations in 2004 and 7 locations in 2005.

Lodging 1 - 9 1 = none 2003, 10 locations. 2004, 7 locations.

Growth Habit 1 - 5 1 = Prostrate 3 = Semi-Erect 5 = Erect Averaged over 3 reps from Bay, AR 2004 & 2005.

9511

Table 5: Leaf Rust

|              | 2005 |     |     |     |     |     | 2004 |      |      |
|--------------|------|-----|-----|-----|-----|-----|------|------|------|
|              | BRLA | GMS | LAR | KNC | WVA | PGA | BAR  | LAR  | PNC  |
| 9511         | 2    | 1   | 1   | 5   | 2   | 2   | 3    | 2    | 1    |
| COKER 9663   | 2    | 1   | 2   | 4   | 2   | 4   | 6    | 3    | 2    |
| COKER 9152   | 3    | 1   | 1   | 4   | 2   | 3   | 2    | 1    | 3    |
| COKER 9184   | 2    | 3   | 1   | 3   | 2   | 2   | 2    | 4    | 5    |
| COKER 9474   | 2    | 1   | 2   | 3   | 1   | 3   | 2    | 1    | 1    |
| 26R61        | 2    | 1   | 2   | 4   | 2   | 3   | 3    | 2    | 3    |
| AGS 2000     | 3    | 1   | 1   | 4   | 2   | 3   | 2    | 2    | 1    |
| PATTON       |      |     |     |     |     |     | 3    | 3    | 5    |
| 25R26        | 3    | 1   | 2   | 4   | 2   | 3   | 5    | 1    | 3    |
| KASKASKIA    |      |     |     |     |     |     | 3    | 1    | 1    |
| Test Mean    | 3    | 2   | 2   | 4   | 2   | 3   | 3    | 3    | 4    |
| LSD (0.05)   |      |     | 1.6 | 2.0 |     |     | 1.6  | 1.8  | 1.8  |
| CV %         |      |     | 2.1 | 2.7 |     |     | 29.6 | 43.1 | 29.4 |
| Reps w/ Data | 1    | 1   | 3   | 2   | 1   | 1   | 3    | 3    | 3    |

Scale 1 – 9 1 = Resistant

BRLA: Baton Rouge, LA; GMS: Greenville, MS; LAR: Lewisville, AR; KNC: Kinston, NC;  
WVA: Warsaw, VA; PGA: Plains, GA; BAR: Bay, AR

9511

200600242

**Table 6: Powdery Mildew**

|              | 2005     |          |          |          | 2004     |          |          |          |
|--------------|----------|----------|----------|----------|----------|----------|----------|----------|
|              | PGA      | WNC      | KNC      | WVA      | KNC      | WNC      | DSC      | LAR      |
| <b>9511</b>  | <b>8</b> | <b>5</b> | <b>4</b> | <b>6</b> | <b>5</b> | <b>2</b> | <b>3</b> | <b>4</b> |
|              |          |          |          |          |          |          |          |          |
| COKER 9663   | 8        | 6        | 5        | 3        | 5        | 3        | 4        | 6        |
| COKER 9152   | 8        | 4        | 5        | 6        | 5        | 4        | 4        | 3        |
| COKER 9184   | 1        | 3        | 5        | 1        | 3        | 2        | 2        | 2        |
| COKER 9474   | 6        | 3        | 4        | 2        | 5        | 3        | 3        | 5        |
| 26R61        | 9        | 4        | 5        | 1        | 3        | 3        | 2        | 2        |
| AGS 2000     | 8        | 4        | 4        | 1        | 2        | 1        | 1        | 1        |
| PATTON       |          |          |          |          | 5        | 3        | 3        | 6        |
| 25R26        | 8        | 2        | 4        | 7        | 4        | 3        | 4        | 4        |
| KASKASKIA    |          |          |          |          | 5        | 2        | 4        | 7        |
|              |          |          |          |          |          |          |          |          |
| Test Mean    | 5        | 3        | 4        | 3        | 4        | 2        | 3        | 4        |
| LSD (0.05)   |          | 1.3      | 1.0      | 2.0      | 1.7      | 1.3      | 1.3      | 2.1      |
| CV %         |          | 23.3     | 14.3     | 46.1     | 21.5     | 36.1     | 28.8     | 30.1     |
| Reps w/ Data | 1        | 3        | 2        | 3        | 2        | 3        | 3        | 3        |

Scale 1 – 9 1 = Resistant

PGA: Plains, GA; WNC: Winterville, NC; KNC: Kinston, NC; WVA: Warsaw, VA; DSC: Dillon, SC; LAR: Lewisville, AR

9511

200600242

Table 7: Stripe Rust

|                              | Stripe Rust  |             |             |             |             |             |
|------------------------------|--------------|-------------|-------------|-------------|-------------|-------------|
|                              | 2005<br>BRLA | 2005<br>GMS | 2005<br>LAR | 2005<br>BAR | 2005<br>PGA | 2004<br>DAR |
| 9511                         | 3            | 7           | 3           | 4           | 5           | 3           |
| COKER 9663                   | 6            | 7           | 3           | 3           | 8           | 2           |
| COKER 9152                   | 1            | 7           | 3           | 3           | 4           | 3           |
| COKER 9184                   | 1            | 2           | 5           | 5           | 7           | 3           |
| COKER 9474                   | 3            | 8           | 4           | 3           | 8           | 3           |
| 26R61                        | 2            | 2           | 2           | 3           | 1           | 1           |
| AGS 2000                     | 4            | 8           | 5           | 9           | 7           | 3           |
| PATTON                       |              |             |             |             |             | 4           |
| 25R26                        | 2            | 4           | 7           | 7           | 4           | 3           |
| KASKASKIA                    |              |             |             |             |             | 2           |
| Test Mean                    | 2            | 5           | 4           | 4           | 4           | 3           |
| LSD (0.05)                   |              |             | 1.6         | 1.8         |             | 1.4         |
| CV %                         |              |             | 26.5        | 27.8        |             | 34.5        |
| Reps w/ Data                 | 1            | 1           | 3           | 3           | 1           | 3           |
| Scale 1 – 9<br>1 = Resistant |              |             |             |             |             |             |

LAR: Lewisville, AR; DAR: Dewitt, AR; GMS: Greenville, MS; PGA: Plains, GA;  
 BRLA: Baton Rouge, LA; BAR: Bay, A R

9511

200600242

Table 8: *Fusarium*

|                              | Fusarium    |             |             |             |              |              |             |
|------------------------------|-------------|-------------|-------------|-------------|--------------|--------------|-------------|
|                              | 2003<br>CMO | 2004<br>BMO | 2003<br>HKY | 2004<br>HKY | 2003<br>MJPA | 2004<br>MJPA | 2004<br>BAR |
| 9511                         | 2           | 4           | 3           | 3           | 2            | 2            | 2           |
|                              |             |             |             |             |              |              |             |
| COKER 9663                   | 3           | 6           | 5           | 6           | 3            | 2            | 4           |
| COKER 9152                   | 5           | 6           | 5           | 7           | 4            | 3            | 7           |
| COKER 9184                   | 5           | 6           | 8           | 7           | 5            | 3            | 5           |
| COKER 9474                   | 2           | 3           | 3           | 3           | 2            | 2            | 2           |
| 26R61                        | 5           | 8           | 7           | 8           | 6            | 4            | 7           |
| AGS 2000                     | 5           | 8           | 7           | 8           | 5            | 5            | 4           |
| PATTON                       | 2           | 4           | 4           | 4           | 3            | 2            | 3           |
| 25R26                        | 3           | 5           | 5           | 6           | 3            | 3            | 5           |
| KASKASKIA                    | 3           | 5           | 6           | 6           | 4            | 3            | 2           |
|                              |             |             |             |             |              |              |             |
| Test Mean                    | 4           | 5           | 6           | 6           | 4            | 3            | 4           |
| LSD (0.05)                   | 1.1         | 1.9         | 1.3         | 1.7         | 1.0          | 0.9          | 1.5         |
| CV %                         | 17.4        | 18.4        | 14.4        | 14.1        | 17.4         | 21.0         | 26.8        |
| Reps w/ Data                 | 3           | 3           | 3           | 3           | 3            | 3            | 3           |
| Scale 1 – 9<br>1 = Resistant |             |             |             |             |              |              |             |

CMO: Columbia, MO; BMO: Bernie, MO; HKY: Hopkinsville, KY; MJPA: Mount Joy, PA; BAR: Bay, AR

9511

200600242

Table 9: Other Diseases

|                              | Septoria tritici |             |             | Wheat Spindle<br>Streak Virus |             | Soil Borne Mosaic Virus |             |              |
|------------------------------|------------------|-------------|-------------|-------------------------------|-------------|-------------------------|-------------|--------------|
|                              | 2001<br>BRLA     | 2002<br>HKY | 2003<br>CMO | 2005<br>BAR                   | 2004<br>PNC | 2005<br>PNC             | 2002<br>BMO | 2002<br>UCTN |
| <b>9511</b>                  | <b>3</b>         | <b>4</b>    | <b>5</b>    | <b>4</b>                      | <b>2</b>    | <b>3</b>                | <b>1</b>    | <b>1</b>     |
| COKER 9663                   | 3                | 3           | 3           | 5                             | 7           | 7                       | 2           | 4            |
| COKER 9152                   | 6                | 4           | 5           | 3                             | 3           | 2                       | 2           | 4            |
| COKER 9184                   | 2                | 6           | 5           | 4                             | 4           | 4                       | 3           | 1            |
| COKER 9474                   | 4                | 3           | 5           | 5                             | 5           | 5                       | 2           | 1            |
| 26R61                        | 2                | 4           | 4           | 3                             | 4           | 2                       | 1           | 3            |
| AGS 2000                     | 3                | 4           | 4           | 5                             | 8           | 8                       | 2           | 6            |
| PATTON                       | 3                | 4           | 4           |                               | 3           |                         | 1           | 1            |
| 25R26                        | 3                | 5           | 6           | 3                             | 4           | 4                       | 1           | 1            |
| KASKASKIA                    | 3                | 3           | 6           |                               | 4           |                         | 2           | 1            |
| Test Mean                    | -                | 4           | 5           | 4                             | 4           | 4                       | 2           | 2            |
| LSD (0.05)                   | -                | 1.1         | 1.3         | 1.1                           | 1.5         | 1.6                     | 1.5         | 1.5          |
| CV %                         | -                | 16.3        | 16.1        | 17.0                          | 17.8        | 20.2                    | 44.3        | 45.4         |
| Reps w/ Data                 | 1                | 3           | 3           | 3                             | 2           | 2                       | 3           | 3            |
| Scale 1 – 9<br>1 = Resistant |                  |             |             |                               |             |                         |             |              |

BRLA: Baton Rouge, LA; HKY: Henderson, KY; CMO: Columbia, MO; BAR: Bay, AR; BMO: Bernie, MO; UCTN: Union City, TN; PNC: Plymouth, NC

9511

Table 10: Hessian Fly

|             | 2002        |             |             | 2003        |             | 2004        |             |             |
|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Biotypes    | O           | E           | L           | O           | L           | O           | E           | L           |
| <b>9511</b> | <b>0/17</b> | <b>0/18</b> | <b>0/14</b> | <b>0/13</b> | <b>0/17</b> | <b>0/12</b> | <b>0/14</b> | <b>0/12</b> |
| COKER 9474  | 0/17        | 13/2        | 0/14        | 7/8         | 0/13        | 0/13        | 13/0        | 0/15        |
| COKER 9152  | 0/14        | 0/13        | 0/16        | 16/0        | 0/13        | 7/5         | 2/8         | 0/16        |
| PATTON      | 0/11        | 16/0        | 0/9         | 0/18        | 0/12        | 0/14        | 10/2        | 0/13        |
| KASKASKIA   | 0/16        | 0/14        | 0/16        | 0/20        | 0/17        | 0/12        | 0/16        | 0/12        |

## = Resistant/Susceptible seedlings.

Screening done by USDA-ARS, Crop Production and Pest Control Research Unit, West Lafayette, IN.



9511

200600242

Table 11: Milling and Baking Quality

|                     | Milling       | Baking         | Micro<br>Test Wt<br>LB/BU | Softness<br>Equival.<br>% | Flour<br>Yield<br>% | Flour<br>Protein<br>% | Micro<br>AWRC | Cookie<br>Dia. | Top<br>Grade | Lactic<br>Acid<br>Ret'n |
|---------------------|---------------|----------------|---------------------------|---------------------------|---------------------|-----------------------|---------------|----------------|--------------|-------------------------|
| 2004 Crop           |               |                |                           |                           |                     |                       |               |                |              |                         |
| Standard<br>CK 9184 | 74.1 B        | 51.2 D         | 62.9                      | 69.8                      | 69.8                | 10.65                 |               | 17.51          | 3            | 114.6                   |
| 9511                | <b>69.0 C</b> | <b>53.5 D</b>  | <b>63.5</b>               | <b>56.88</b>              | <b>68.8</b>         | <b>11.02</b>          |               | <b>17.6</b>    | <b>4</b>     | <b>107.8</b>            |
| 2003 Crop           |               |                |                           |                           |                     |                       |               |                |              |                         |
| Standard<br>CK 9184 | 72.8 B        | 57.5 D         | 60.5                      | 66.9                      | 70.7                | 7.85                  |               | 18.09          | 4            | 126.9                   |
| 9511                | <b>78.2 B</b> | <b>60.8 C</b>  | <b>59.1</b>               | <b>64.6</b>               | <b>71.8</b>         | <b>8.29</b>           |               | <b>18.22</b>   | <b>3</b>     | <b>132.1</b>            |
| 2002 Crop           |               |                |                           |                           |                     |                       |               |                |              |                         |
| Standard<br>CK 9543 | 100           | 100            | 60.6                      | 58.1                      | 73.0                | 8.78                  | 57.9          | 17.95          | 3            | 114.3                   |
| 9511                | <b>98.2 B</b> | <b>101.4 A</b> | <b>60.4</b>               | <b>59.7</b>               | <b>72.3</b>         | <b>8.83</b>           | <b>58.2</b>   | <b>17.98</b>   | <b>3</b>     | <b>132.9</b>            |
| 2001 Crop           |               |                |                           |                           |                     |                       |               |                |              |                         |
| Standard<br>CK 9543 | 100.0         | 100.0          | 61.9                      | 57.5                      | 72.2                | 9.37                  | 53.5          | 17.86          | 4            | 129.0                   |
| 9511                | <b>97.9 B</b> | <b>107.3 A</b> | <b>62.4</b>               | <b>58.1</b>               | <b>71.5</b>         | <b>9.53</b>           | <b>52.3</b>   | <b>18.06</b>   | <b>5</b>     | <b>133.0</b>            |

Quality data from USDA Soft Wheat Quality Lab, Wooster, OH.

2004, 2003, 2002, and 2001 ratings are from Syngenta Seeds, Inc. Elite trials.

U.S. DEPARTMENT OF AGRICULTURE  
AGRICULTURAL MARKETING SERVICE

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). The information is held confidential until the certificate is issued (7 U.S.C. 2426).

**EXHIBIT E**  
**STATEMENT OF THE BASIS OF OWNERSHIP**

|   |   |  |
|---|---|--|
| 1. NAME OF APPLICANT(S)<br><br>Syngenta Seeds, Inc.   | 2. TEMPORARY DESIGNATION<br>OR EXPERIMENTAL NUMBER<br>B980582 | 3. VARIETY NAME<br><br>9511                    |
| 4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP, and Country)<br>AgriPro COKER<br>806 North 2nd Street<br>P.O. Box 30<br>Berthoud, CO 80513 | 5. TELEPHONE (Include area code)<br><br>970-532-3721          | 6. FAX (Include area code)<br><br>970-532-2035 |
| 7. PVPO NUMBER  |   | 200600242                                      |

8. Does the applicant own all rights to the variety? Mark an "X" in the appropriate block. If no, please explain. ☒ YES ☐ NO9. Is the applicant (individual or company) a U.S. national or a U.S. based company? If no, give name of country. ☒ YES ☐ NO10. Is the applicant the original owner? ☒ YES ☐ NO If no, please answer one of the following:

a. If the original rights to variety were owned by individual(s), is (are) the original owner(s) a U.S. National(s)?

☐ YES ☐ NO If no, give name of country

b. If the original rights to variety were owned by a company(ies), is (are) the original owner(s) a U.S. based company?

☐ YES ☐ NO If no, give name of country

11. Additional explanation on ownership (Trace ownership from original breeder to current owner. Use the reverse for extra space if needed):

**PLEASE NOTE:**

Plant variety protection can only be afforded to the owners (not licensees) who meet the following criteria:

1. If the rights to the variety are owned by the original breeder, that person must be a U.S. national, national of a UPOV member country, or national of a country which affords similar protection to nationals of the U.S. for the same genus and species.
2. If the rights to the variety are owned by the company which employed the original breeder(s), the company must be U.S. based, owned by nationals of a UPOV member country, or owned by nationals of a country which affords similar protection to nationals of the U.S. for the same genus and species.
3. If the applicant is an owner who is not the original owner, both the original owner and the applicant must meet one of the above criteria.

The original breeder/owner may be the individual or company who directed the final breeding. See Section 41(a)(2) of the Plant Variety Protection Act for definitions.

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 0.1 hour per response, including the time for reviewing the instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

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